

CONSTRUCTION PLANS

SEAL BITUMINOUS CRACKS IN
RUNWAYS 4-22 & 13-31, MARK BOTH
RUNWAYS AND ALL TAXIWAYS

MT. CARMEL MUNICIPAL AIRPORT
MT. CARMEL, LAWRENCE COUNTY, ILLINOIS

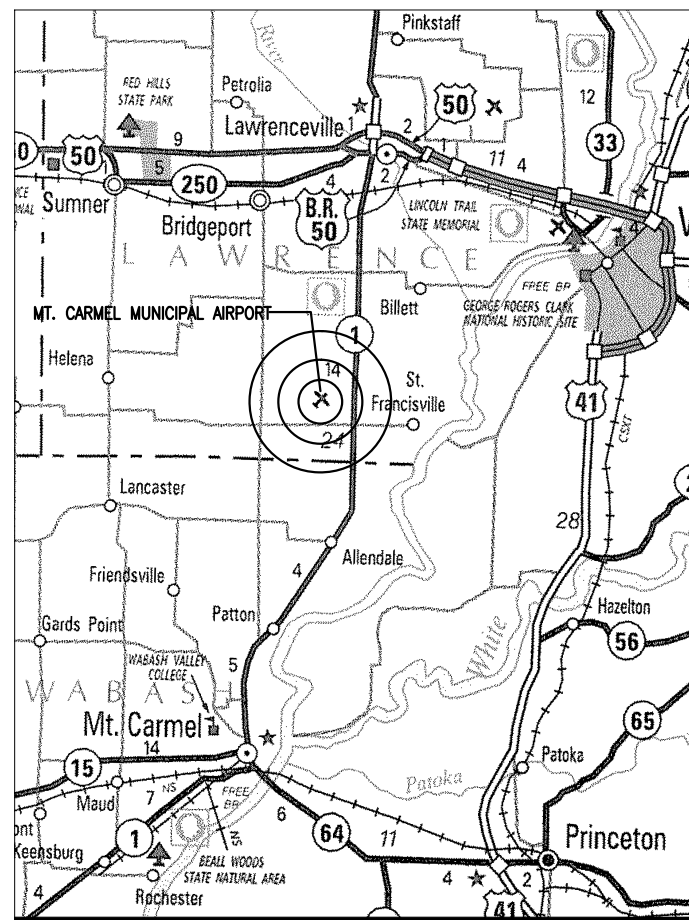
IDA PROJECT NO. AJG-4380
SBG PROJECT NO. 3-17-SBGP-XXX

SCOPE OF WORK

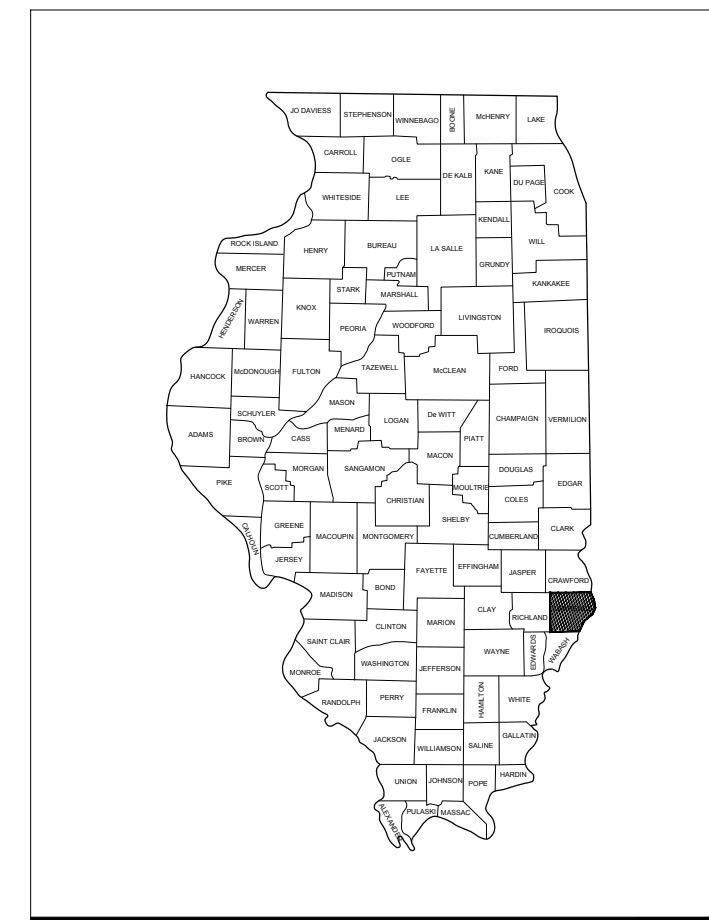
THIS PROJECT CONSISTS OF SEALING BITUMINOUS CRACKS IN RUNWAY 4-22 AND 13-31, AND MARKING BOTH RUNWAYS AND ALL TAXIWAYS.

NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.



VICINITY MAP



LOCATION MAP

No.	Issue/Description	Sheets Changed	Date	By

FILENAME:LONG

EXP 11/30/17

B. Stolz
Barry S. Stolz P.E.
Project Engineer

6/6/16
Date

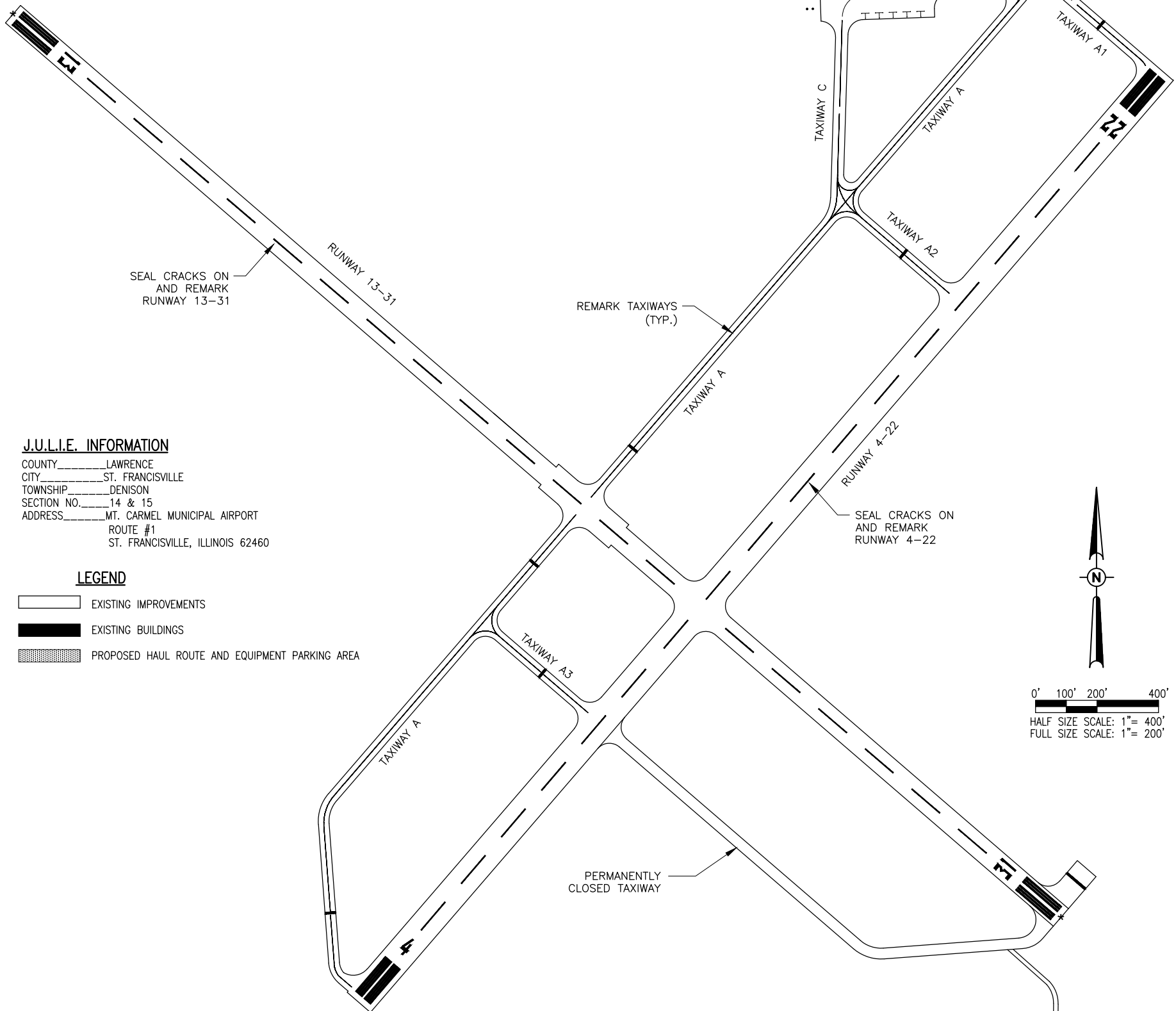
HANSON
HANSON PROFESSIONAL SERVICES INC.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Telephone: 217-788-2503

THE CITY OF
Mount Carmel
MT. CARMEL MUNICIPAL AIRPORT

William L. Stolz 6/7/16
Date

GENERAL NOTES

1. THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
2. THIS WORK FOR THIS PROJECT SHALL CONSIST OF SEALING BITUMINOUS CRACKS IN RUNWAY 4-22 AND 13-31, AND MARKING BOTH RUNWAYS AND ALL TAXIWAYS.
3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
4. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT.
6. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
7. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
8. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED IN ACCORDANCE WITH ITEM 901 AT NO ADDITIONAL COST TO THE CONTRACT.
9. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
11. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
12. THE CONTRACTOR SHALL PROVIDE ONE SET OF REDLINED AS-BUILT RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT.
13. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK.
14. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED IN ACCORDANCE WITH ITEMS 901 AND 908, UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE HAUL ROUTE.
15. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS.
16. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
17. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.

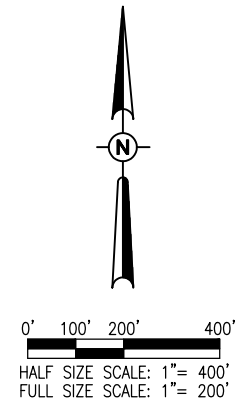


J.U.L.I.E. INFORMATION

COUNTY _____ LAWRENCE
 CITY _____ ST. FRANCISVILLE
 TOWNSHIP _____ DENISON
 SECTION NO. _____ 14 & 15
 ADDRESS _____ MT. CARMEL MUNICIPAL AIRPORT
 ROUTE #1
 ST. FRANCISVILLE, ILLINOIS 62460

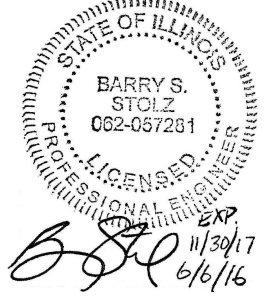
LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA



Offices Nationwide
 www.hanson-inc.com
 Hanson Professional Services Inc.
 1525 S. 6th Street
 Springfield, IL 62703
 phone: 217-788-2450
 fax: 217-788-2503
 Illinois Licensed
 Professional Service Corporation
 #184-001084

MT CARMEL MUNICIPAL AIRPORT



SEAL BITUMINOUS CRACKS IN RUNWAYS 4-22 & 13-31, MARK BOTH RUNWAYS AND ALL TAXIWAYS

IDA No: AJG-4380
 SBG NO. 3-17-SBGP-XXX
 Contract No. MC026

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 6, 2016

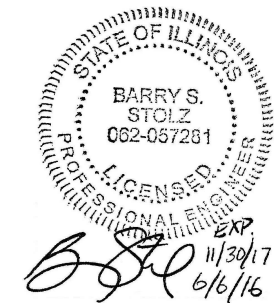
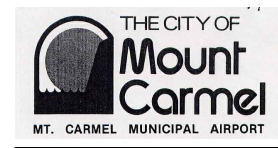
PROJECT NO: 16A0019D
 CAD FILE: G-003SOW.DWG

DESIGNED BY: CWS 04/20/2016
 DRAWN BY: CWS 04/20/2016

REVIEWED BY: BSS 05/16/2016

SHEET TITLE

SCOPE OF WORK PLAN



SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
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DESIGNED BY: CWS 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED SAFETY
PLAN PHASE 1

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY _____ LAWRENCE
CITY _____ ST. FRANCISVILLE
TOWNSHIP _____ DENISON
SECTION NO. _____ 14 & 15
ADDRESS _____ MT. CARMEL MUNICIPAL AIRPORT
ROUTE #1
ST. FRANCISVILLE, ILLINOIS 62460

LEGEND

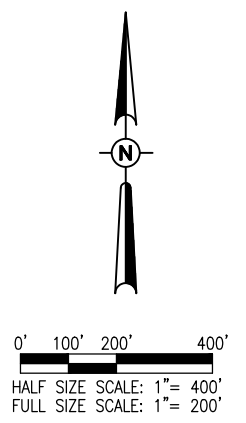
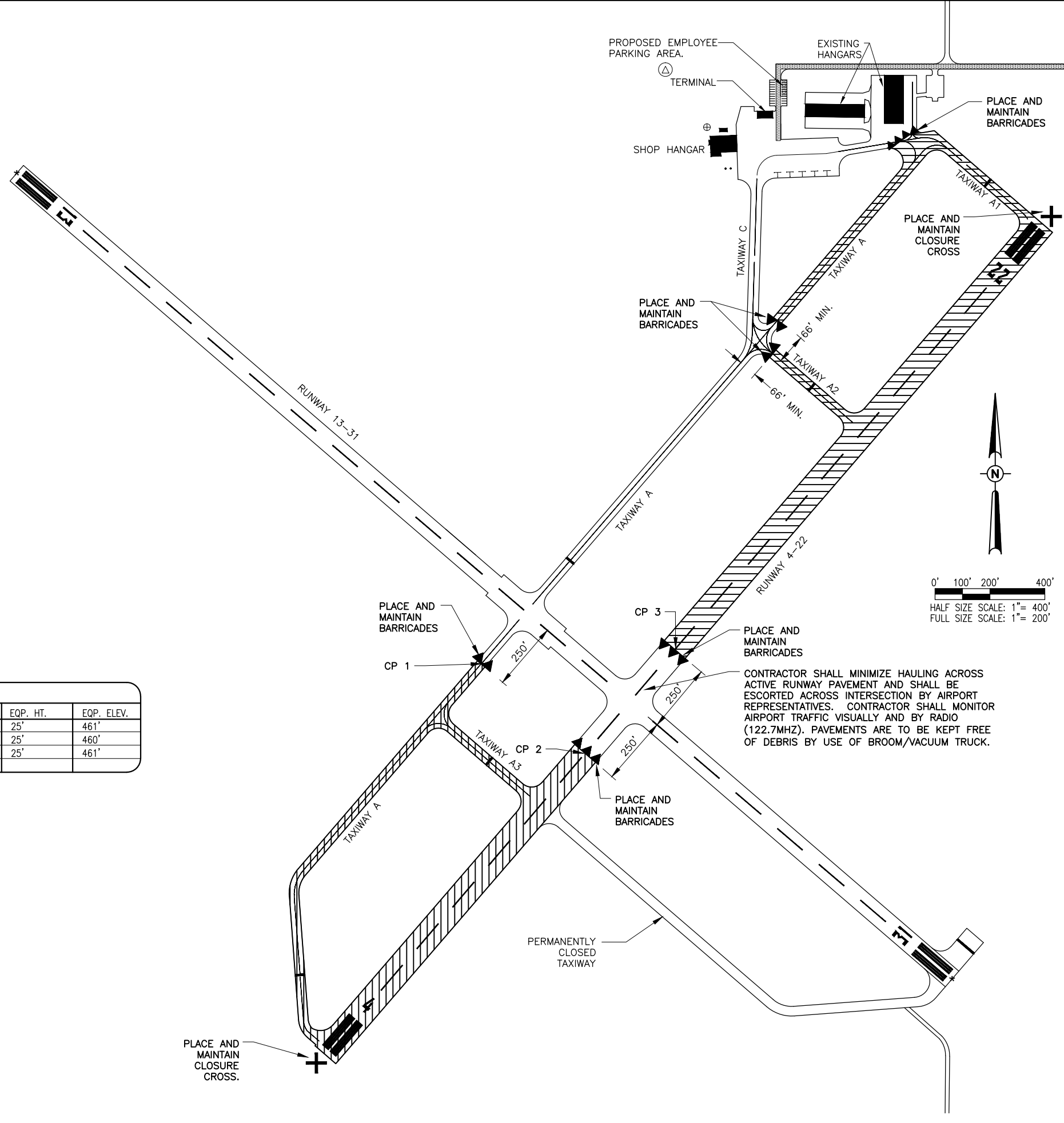
- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BARRICADES OR TRAFFIC CONES

CRITICAL POINT DATA

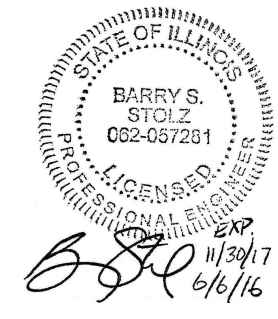
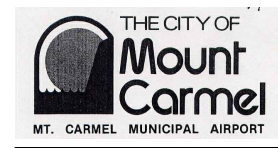
NO.	DESCRIPTION	LAT.	LONG.	GND. ELEV.	EQP. HT.	EQP. ELEV.
1	BARRICADES TWY A SOUTH OF RWY 13/31	38° 36' 21.36	87° 43' 40.38	436'	25'	461'
2	BARRICADES RWY 4/22 SOUTH OF RWY 13/31	38° 36' 18.50	87° 43' 35.26	435'	25'	460'
3	BARRICADES RWY 4/22 NORTH OF RWY 13/31	38° 36' 22.18	87° 43' 31.22	436'	25'	461'

WORK PHASE NOTES

1. THE CONTRACTOR MAY NOT WORK ON MORE THAN ONE PHASE AT A TIME.
2. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE CLOSURES.



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SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
ALL TAXIWAYS

IDA No: AJG-4380
SBG NO. 3-17-SBGP-XXX
Contract No. MC026

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 6, 2016
PROJECT NO: 16A0019D
CAD FILE: G-003SFY.DWG
DESIGNED BY: CWS 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED SAFETY
PLAN PHASE 2

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. **CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123.** ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY: LAWRENCE
CITY: ST. FRANCISVILLE
TOWNSHIP: DENISON
SECTION NO.: 14 & 15
ADDRESS: MT. CARMEL MUNICIPAL AIRPORT
ROUTE #1
ST. FRANCISVILLE, ILLINOIS 62460

LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BARRICADES OR TRAFFIC CONES

CRITICAL POINT DATA

NO.	DESCRIPTION	LAT.	LONG.	GND. ELEV.	EQP. HT.	EQP. ELEV.
4	BARRICADES TWY A2 HOLD SHORT RWY 22	38° 36' 31.33"	87° 43' 25.35"	431'	25'	456'
5	BARRICADES RWY 13/31 WEST OF RWY 4/22	38° 36' 21.65"	87° 43' 36.05"	432'	25'	457'
6	BARRICADES RWY 13/31 EAST OF RWY 4/22	38° 36' 18.42"	87° 43' 31.22"	433'	25'	458'

WORK PHASE NOTES

1. THE CONTRACTOR MAY NOT WORK ON MORE THAN ONE PHASE AT A TIME.
2. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE CLOSURES.

PLACE AND MAINTAIN CLOSURE CROSS

RUNWAY 13-31

PROPOSED EMPLOYEE PARKING AREA.
TERMINAL

EXISTING HANGARS

SHOP HANGAR

PLACE AND MAINTAIN BARRICADES

TAXIWAY A1

PLACE AND MAINTAIN BARRICADES

TAXIWAY C

TAXIWAY A

TAXIWAY A2

PLACE AND MAINTAIN BARRICADES

RUNWAY 4-22

PLACE AND MAINTAIN BARRICADES

PLACE AND MAINTAIN BARRICADES

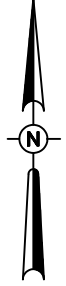
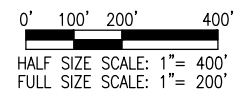
CONTRACTOR SHALL MINIMIZE HAULING ACROSS ACTIVE RUNWAY PAVEMENT AND SHALL BE ESCORTED ACROSS INTERSECTION BY AIRPORT REPRESENTATIVES. CONTRACTOR SHALL MONITOR AIRPORT TRAFFIC VISUALLY AND BY RADIO (122.7MHZ). PAVEMENTS ARE TO BE KEPT FREE OF DEBRIS BY USE OF BROOM/VACUUM TRUCK.

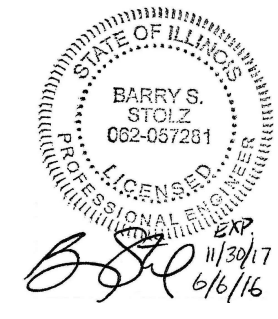
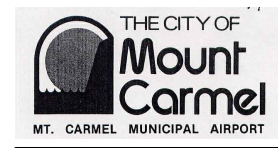
PLACE AND MAINTAIN BARRICADES

PLACE AND MAINTAIN BARRICADES

PERMANENTLY CLOSED TAXIWAY

PLACE AND MAINTAIN CLOSURE CROSS





SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
ALL TAXIWAYS

IDA No: AJG-4380
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Contract No. MC026

NO.	DATE	DESCRIPTION		
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ISSUE: JUNE 6, 2016
PROJECT NO: 16A0019D
CAD FILE: G-003SFY.DWG
DESIGNED BY: CWS 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED SAFETY
PLAN PHASE 3

UTILITY NOTE

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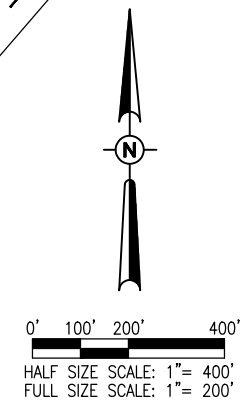
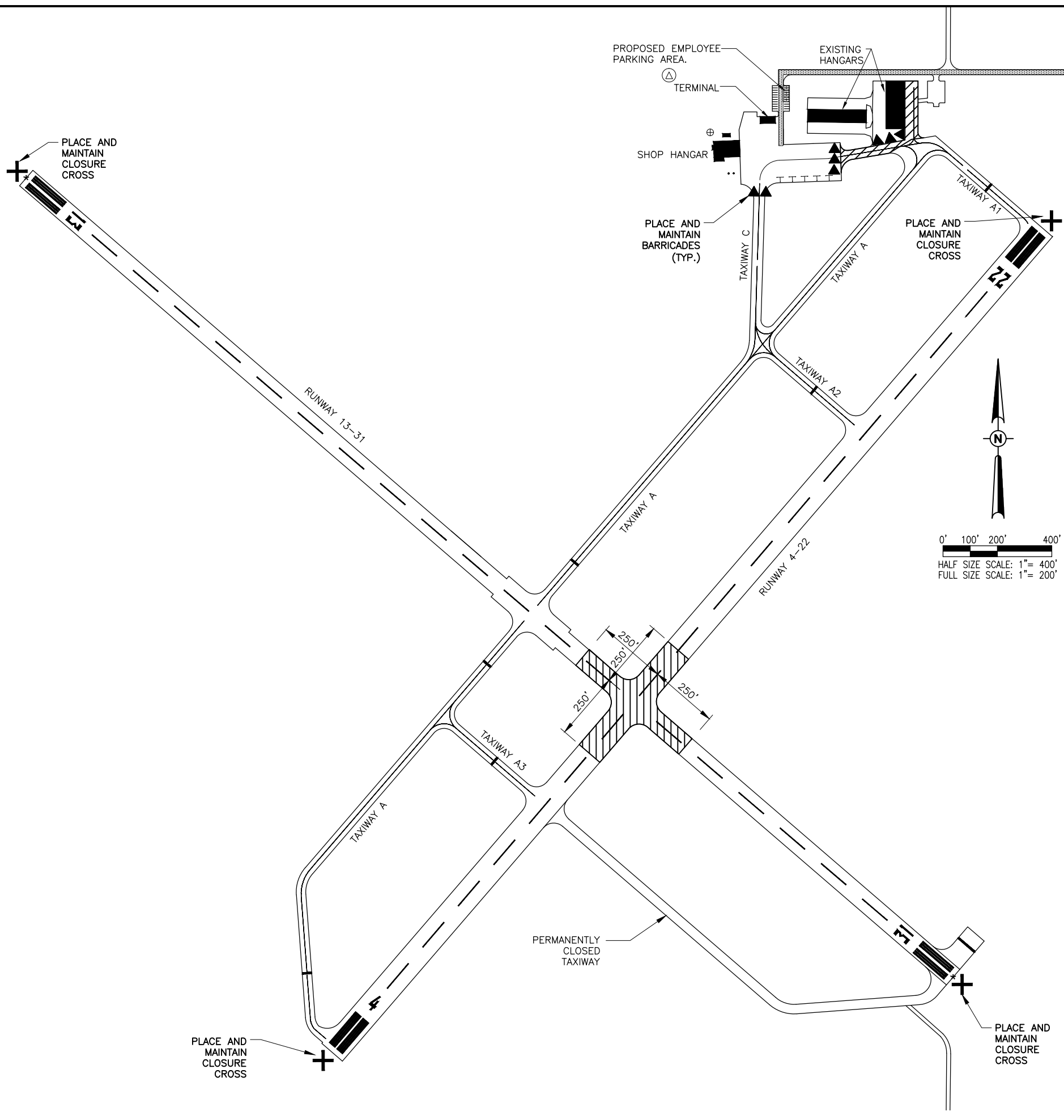
COUNTY _____ LAWRENCE
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LEGEND

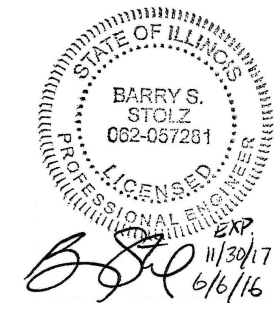
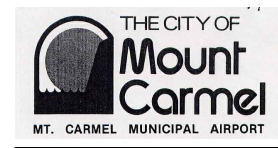
- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
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WORK PHASE NOTES

1. THE CONTRACTOR MAY NOT WORK ON MORE THAN ONE PHASE AT A TIME.
2. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE CLOSURES.
4. CONTRACTOR SHALL HAVE A MAXIMUM OF 1 CALENDAR DAY TO COMPLETE THE WORK IN PHASE 3.



JUN 14, 2016 2:03 PM HERND01562
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4-22 & 13-31, MARK
BOTH RUNWAYS AND
ALL TAXIWAYS

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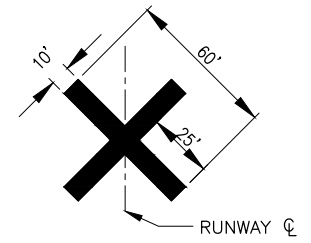
ISSUE: JUNE 6, 2016
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CAD FILE: G-501-SFY.DWG
DESIGNED BY: BSS 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

CONSTRUCTION
SAFETY DETAILS
AND NOTES

SAFETY NOTES

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE SAFETY AND PHASING NOTES AND DETAILS SHEET.
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE PROJECT SAFETY AND PHASING PLANS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING YELLOW LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT. HOWEVER OTHER EQUIPMENT TALLER THAN 25' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE RUNWAY, INCLUDING TURF RUNWAYS. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 66' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.



CLOSURE CROSS MARKER DETAIL

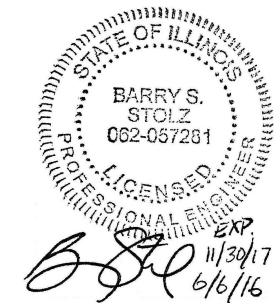
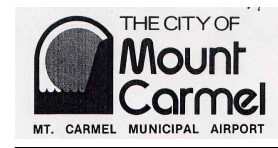
TEMPORARY CLOSURE CROSS MARKING SHALL BE "AVIATION YELLOW". TEMPORARY CLOSURE CROSS MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD. RUNWAY CLOSURE CROSS MARKINGS SHALL BE LIGHTED DURING DARKNESS AND PERIODS OF REDUCED VISIBILITY. DEVICES SHALL CONFORM TO THE FAA ADVISORY CIRCULARS 150/5345-55A SPECIFICATION FOR L-893, LIGHTED VISUAL AID TO INDICATE TEMPORARY RUNWAY CLOSURE (WHERE SPECIFIED).

RUNWAY CLOSURES

- THE CONTRACTOR SHALL COMMUNICATE AND COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN AND THE AIRPORT MANAGER FOR THE CLOSURE OF THESE RUNWAYS. THE AIRPORT MANAGER WILL ISSUE APPLICABLE NOTAM'S TO OPEN AND CLOSE THE AFFECTED RUNWAYS.
- THE CONTRACTOR SHALL PROVIDE, PLACE, SECURE, MAINTAIN AND REMOVE THE BARRICADES AND CLOSURE CROSSES THROUGHOUT THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN PRIOR TO THE REMOVAL OF ANY BARRICADE OR CROSS.
- COST FOR PROVIDING, PLACING, MAINTAINING AND REMOVING THE CROSSES SHALL BE INCLUDED IN ITEM AR150520 MOBILIZATION.

BARRICADE NOTES

- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- MODIFIED TYPE II BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS. BARRICADES ARE TO BE SET BACK 66' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON TYPE II BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING BARRICADES SHALL BE INCLUDED IN ITEM AR150520 MOBILIZATION.



**SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
ALL TAXIWAYS**

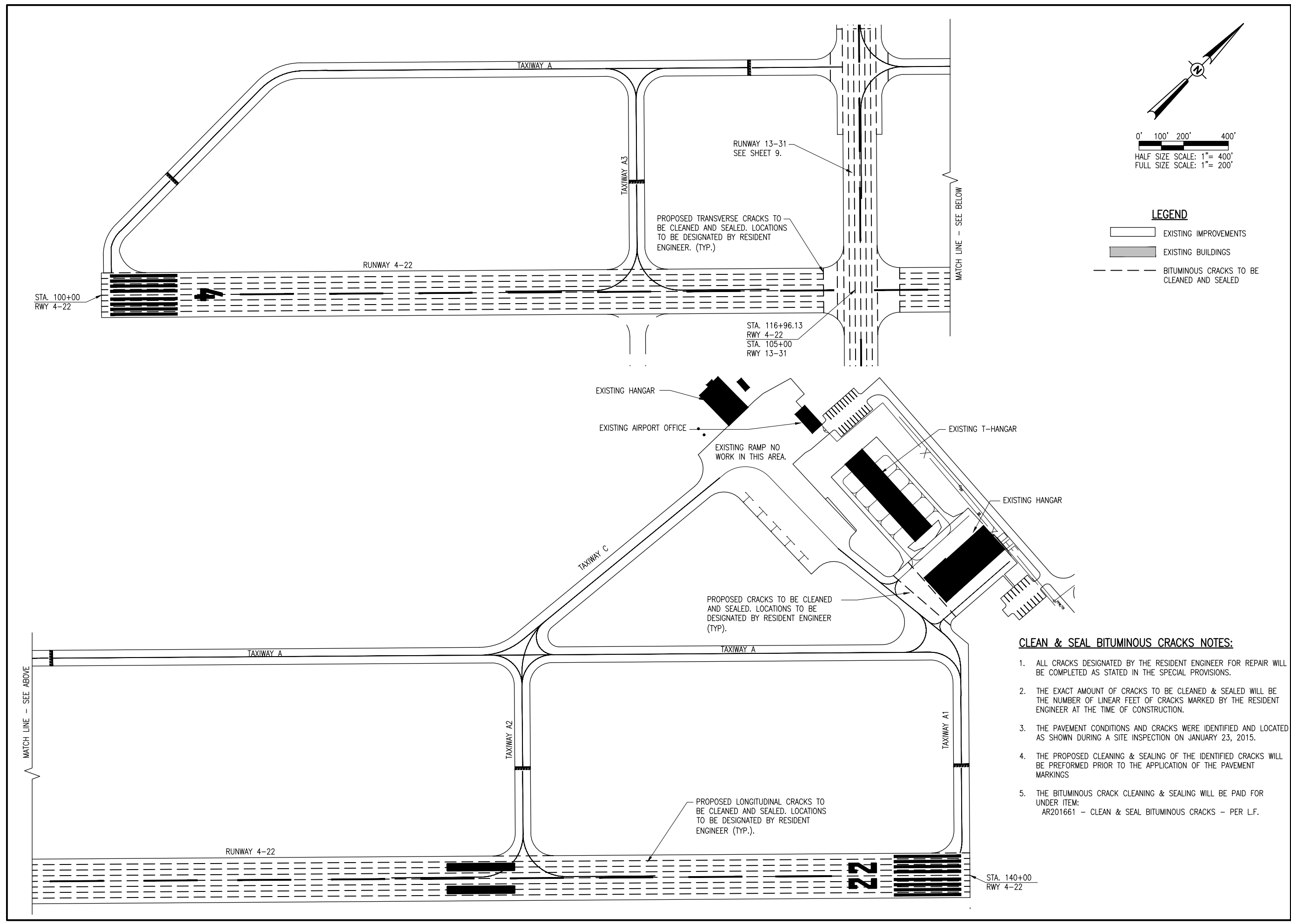
IDA No: AJG-4380
SBG NO. 3-17-SBGP-XXX
Contract No. MC026

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 6, 2016
PROJECT NO: 16A0019D
CAD FILE: C-103-CRKS_L.DWG
DESIGNED BY: JSL 1/16/2015
DRAWN BY: CWS 1/16/2015
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

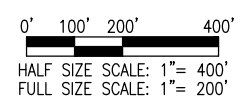
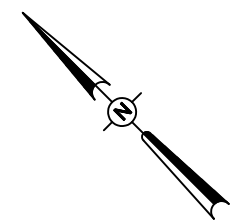
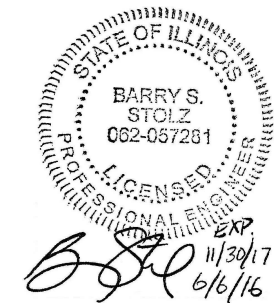
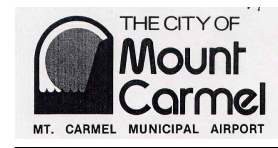
**PROPOSED CRACK
SEAL PLAN -
RUNWAY 4/22**



CLEAN & SEAL BITUMINOUS CRACKS NOTES:

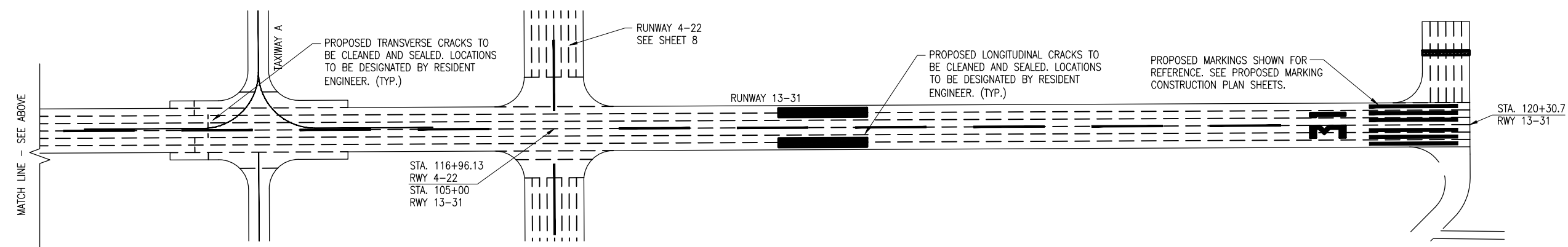
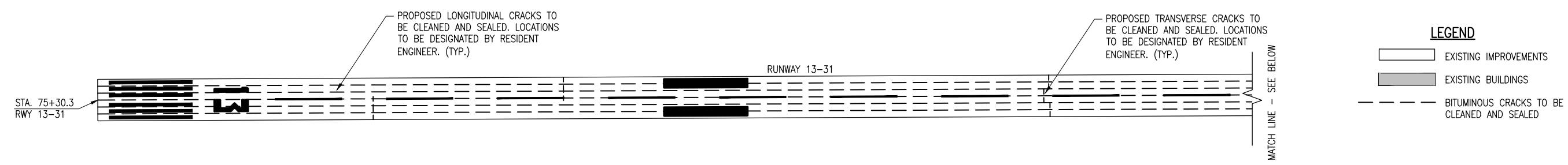
1. ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER FOR REPAIR WILL BE COMPLETED AS STATED IN THE SPECIAL PROVISIONS.
2. THE EXACT AMOUNT OF CRACKS TO BE CLEANED & SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.
3. THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED AND LOCATED AS SHOWN DURING A SITE INSPECTION ON JANUARY 23, 2015.
4. THE PROPOSED CLEANING & SEALING OF THE IDENTIFIED CRACKS WILL BE PREFORMED PRIOR TO THE APPLICATION OF THE PAVEMENT MARKINGS
5. THE BITUMINOUS CRACK CLEANING & SEALING WILL BE PAID FOR UNDER ITEM:
AR201661 - CLEAN & SEAL BITUMINOUS CRACKS - PER L.F.

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LEGEND

	EXISTING IMPROVEMENTS
	EXISTING BUILDINGS
	BITUMINOUS CRACKS TO BE CLEANED AND SEALED



CLEAN & SEAL BITUMINOUS CRACKS NOTES:

1. ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER FOR REPAIR WILL BE COMPLETED AS STATED IN THE SPECIAL PROVISIONS.
2. THE EXACT AMOUNT OF CRACKS TO BE CLEANED & SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.
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5. THE BITUMINOUS CRACK CLEANING & SEALING WILL BE PAID FOR UNDER ITEM:
AR201661 - CLEAN & SEAL BITUMINOUS CRACKS - PER L.F.

SEAL BITUMINOUS CRACKS IN RUNWAYS 4-22 & 13-31, MARK BOTH RUNWAYS AND ALL TAXIWAYS

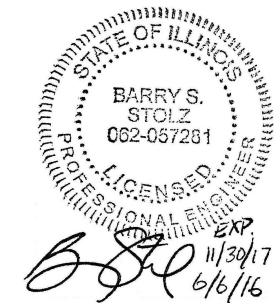
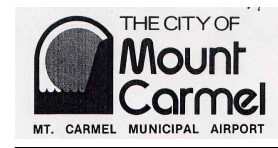
IDA No: AJG-4380
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Contract No. MC026

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ISSUE: JUNE 6, 2016
PROJECT NO: 16A0019D
CAD FILE: C-103-CRKS.LDWG
DESIGNED BY: JSL 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED CRACK SEAL PLAN - RUNWAY 13/31



SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
ALL TAXIWAYS

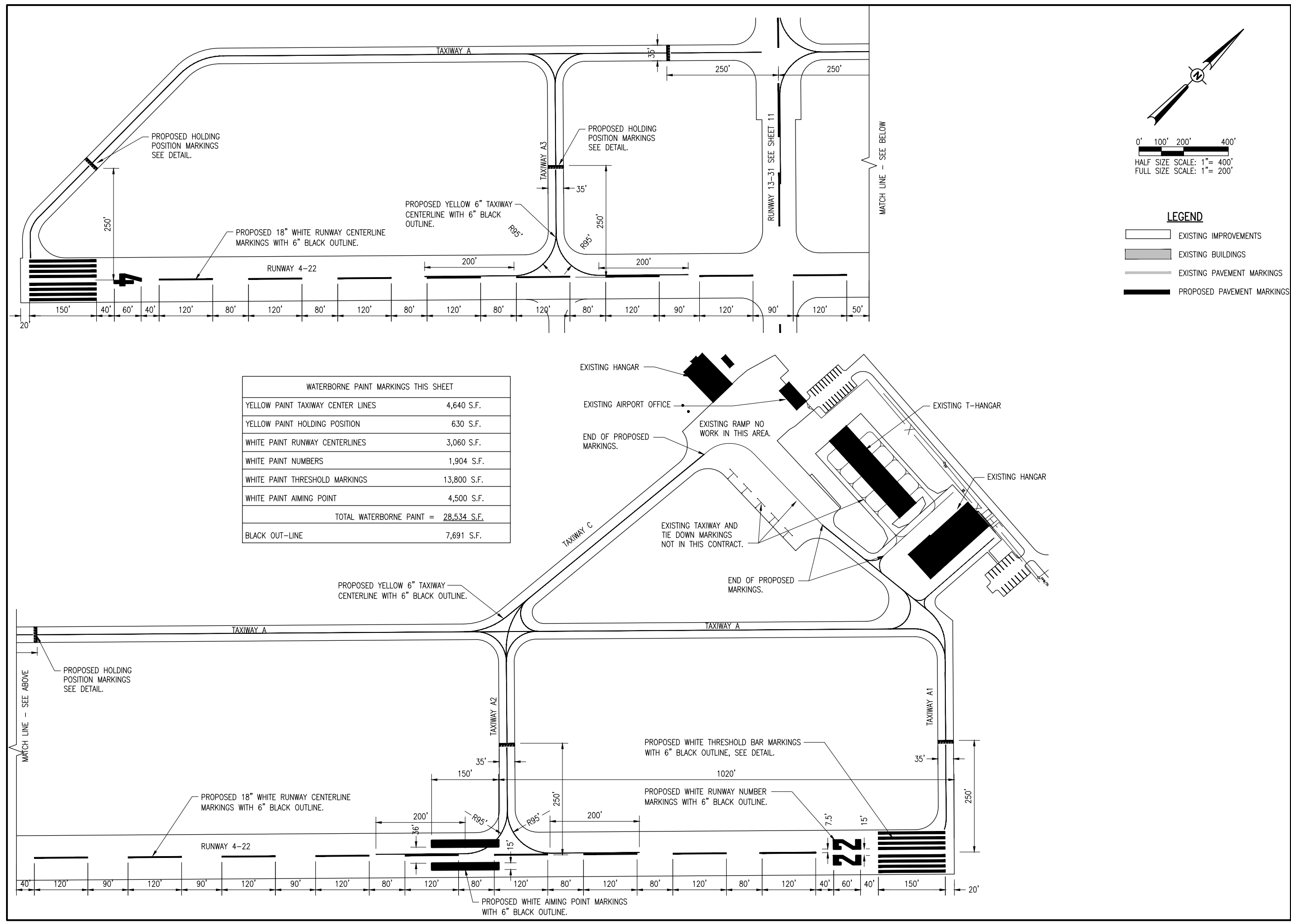
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CAD FILE: C-102-MRK.DWG
DESIGNED BY: CWS 04/20/2016
DRAWN BY: CWS 04/20/2016
REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED MARKING
PLAN - RUNWAY 4/22

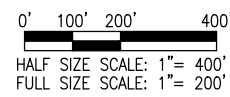
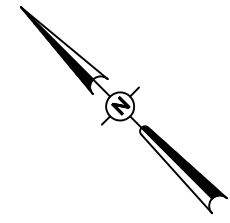
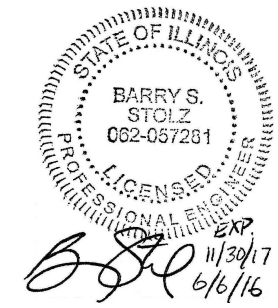
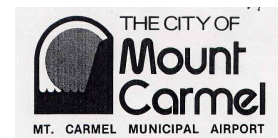


LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- EXISTING PAVEMENT MARKINGS
- PROPOSED PAVEMENT MARKINGS

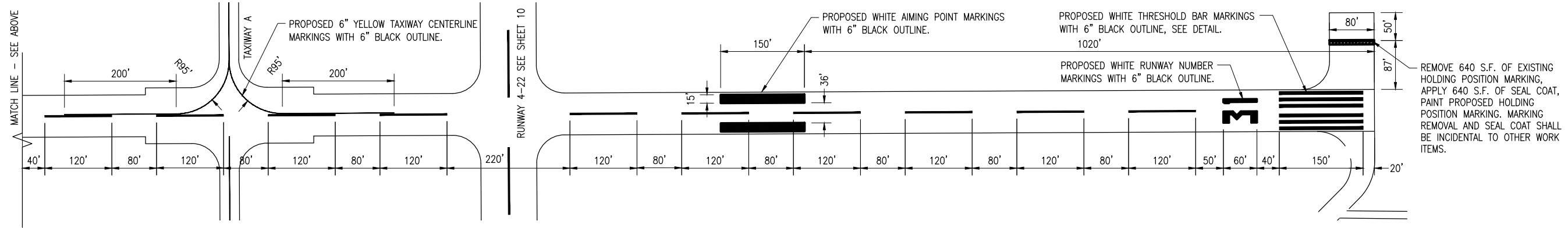
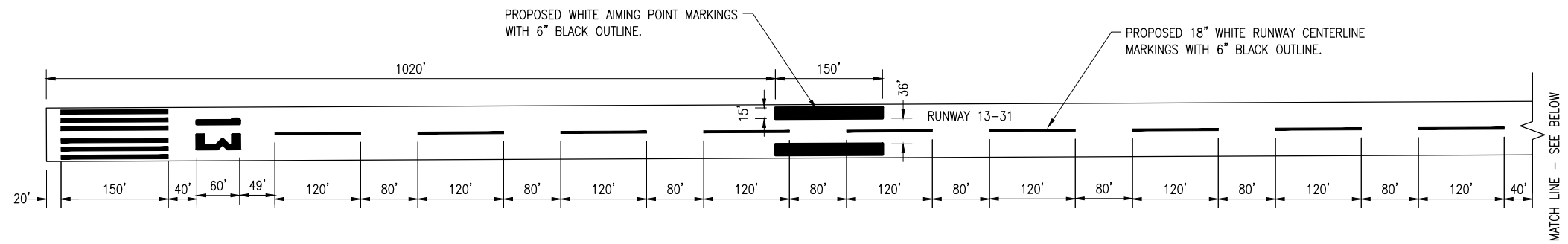
WATERBORNE PAINT MARKINGS THIS SHEET	
YELLOW PAINT TAXIWAY CENTER LINES	4,640 S.F.
YELLOW PAINT HOLDING POSITION	630 S.F.
WHITE PAINT RUNWAY CENTERLINES	3,060 S.F.
WHITE PAINT NUMBERS	1,904 S.F.
WHITE PAINT THRESHOLD MARKINGS	13,800 S.F.
WHITE PAINT AIMING POINT	4,500 S.F.
TOTAL WATERBORNE PAINT =	28,534 S.F.
BLACK OUT-LINE	7,691 S.F.

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LEGEND

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- EXISTING PAVEMENT MARKINGS
- PROPOSED PAVEMENT MARKINGS



WATERBORNE PAINT MARKINGS THIS SHEET	
YELLOW PAINT HOLDING POSITION	240 S.F.
WHITE PAINT RUNWAY CENTERLINES	3,420S.F.
WHITE PAINT NUMBERS	1,906 S.F.
WHITE PAINT THRESHOLD MARKINGS	10,350S.F.
WHITE PAINT AIMING POINT	9,000 S.F.
TOTAL WATERBORNE PAINT =	24,916 S.F.
BLACK OUT-LINE	5,598 S.F.

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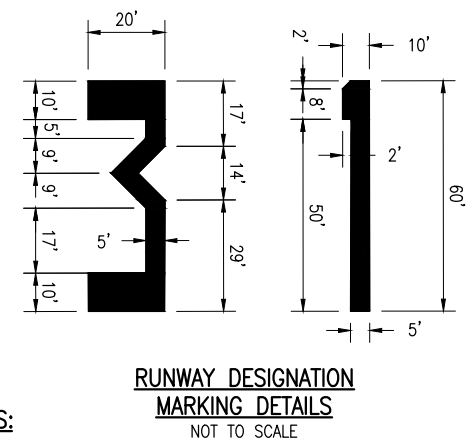
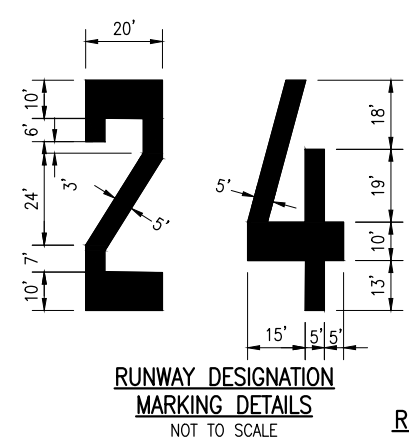
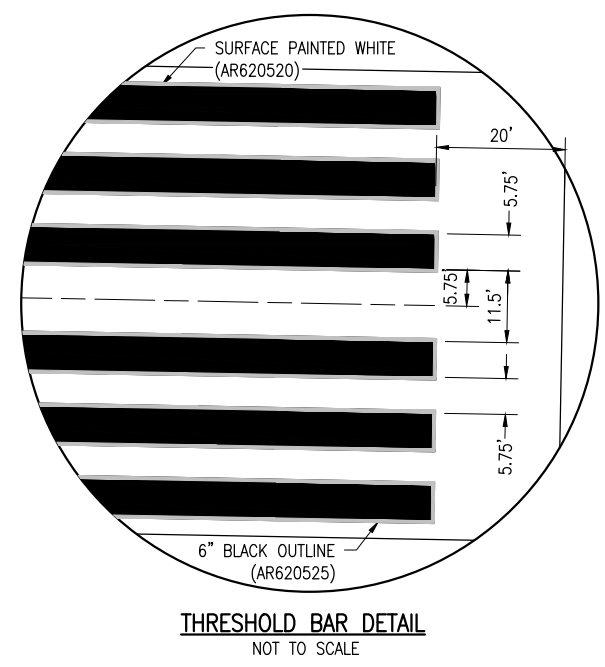
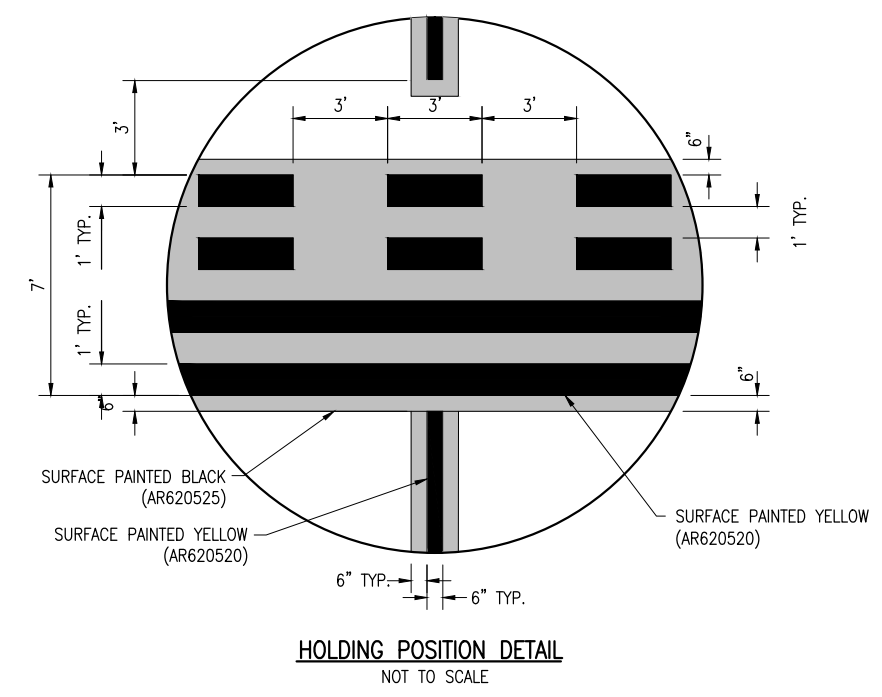
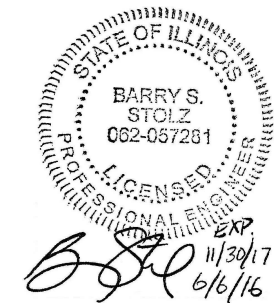
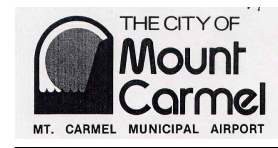
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REVIEWED BY: BSS 05/16/2016

SHEET TITLE

PROPOSED MARKING
PLAN - RUNWAY 13/31



RUNWAY DESIGNATION MARKING NOTES:

1. ALL NUMERAL MARKING WILL BE WHITE IN COLOR WITH A 6" BLACK OUTLINE.
2. NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.
3. DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

NUMERAL	WHITE PAINT (SFT)	BLACK PAINT (SFT)
1	316	140
2	651	107
3	637	102
4	602	106

620-PAVEMENT MARKING-WATERBORNE NOTES

1. THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 272 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF RUNWAY MARKING, TAXIWAY CENTERLINE AND RUNWAY HOLDING POSITION MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE WHITE AND YELLOW IN COLOR WITH A 6-IN BLACK BORDER. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.
3. ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.
4. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT EITHER YELLOW OR WHITE PAINT OVER THE BLACK PAINT; ONLY THE VISIBLE 6" BLACK OUTLINE WILL BE ELIGIBLE FOR PAYMENT.
5. CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.
6. THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ____ PER S.F.
AR620525 PAVEMENT MARKING-BLACK BORDER ____ PER S.F.

SEAL BITUMINOUS
CRACKS IN RUNWAYS
4-22 & 13-31, MARK
BOTH RUNWAYS AND
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PROPOSED MARKING
DETAILS AND NOTES